

Cumulative contents of Volume 43

Volume 43, No. 1, April 1995

Papers

E.R. Dougherty and J.C. Handley	
Recursive maximum-likelihood estimation in the one-dimensional discrete Boolean random set model	1
T.-B. Deng and T. Soma	
Design of 2-D variable digital filters with arbitrary magnitude characteristics	17
M. Morháč and V. Matoušek	
An adaptive fast transform algorithm for multi-dimensional data compression	29
J.A. García, J. Fdez-Valdivia and R. Molina	
A method for invariant pattern recognition by using the scale-vector representation of planar curves	39
C.-Y. Chi and M.-C. Wu	
Inverse filter criteria for blind deconvolution and equalization using two cumulants	55
C.-W. Lin and B.-S. Chen	
State space model and noise filtering design in transmultiplexer systems	65
V.E. DeBrunner and A.A.L. Beex	
Model structure incorporated into recursive partial realization strategies	79
N. Bhatnagar	
On computation of certain discrete Fourier transforms using binary calculus	93
S.-S. Wang and C.-F. Lin	
Conditional trimmed mean filters and their applications for noise removal	103
Announcement and call for papers	111

Volume 43, No. 2, May 1995

Papers

S.-J. Chern and C.-Y. Sung	
The hybrid Frost's beamforming algorithm for multiple jammers suppression	113
A. Zeira and B. Friedlander	
On the performance of direction finding with time-varying arrays	133
F. Hlawatsch, T.G. Manickam, R.L. Urbanke and W. Jones	
Smoothed pseudo-Wigner distribution, Choi-Williams distribution, and cone-kernel representation: Ambiguity-domain analysis and experimental comparison	149
S. Nakamori	
Estimation technique using covariance information in linear discrete-time systems	169
J.C. Patra and R.N. Pal	
A functional link artificial neural network for adaptive channel equalization	181

C.A. Christopoulos, J. Bormans, J. Cornelis and A.N. Skodras	
The vector-radix fast cosine transform: Pruning and complexity analysis	197
G. Pulford, R. Kennedy and S.-H. Chung	
Identification of individual channel kinetics from recordings containing many identical channels	207
J. Xi and J.F. Chicharo	
A block gradient-based algorithm for adaptive IIR filtering	223
Announcement and call for papers	229

Volume 43, No. 3, May 1995

Papers

Y. Yang and S.S. Soliman	
An improved moment-based algorithm for signal classification	231
J.-M. Brossier	
Adaptive phase estimation in non-Gaussian noise	245
J.-Y. Tournieret and B. Lacaze	
On the statistics of estimated reflection and cepstrum coefficients of an autoregressive process	253
J.M.H. Elmirghani, R.A. Cryan and F.M. Clayton	
Spectral analysis of timing jitter effects on the cyclostationary PPM format	269
N.J. Bershad, J.J. Shynk, J.L. Vaughn and C.F.N. Cowan	
Stochastic convergence analysis of a partially adaptive two-layer perceptron using a system identification model	279
T.-S. Liu and L.-W. Chang	
Fast color image quantization with error diffusion and morphological operations	293
W.F. Schreiber	
A unified approach to moving-image coding for most media and most applications	305
C.-H. Lee and L.-H. Chen	
High-speed closest codeword search algorithms for vector quantization	323
V. Britaňák	
A unified discrete cosine and discrete sine transform computation	333
Fast communication	
B. Torresani	
Position-frequency analysis for signals defined on spheres	341
Book review	347
Announcement and call for papers	349
Author index of Volume 43	351
Cumulative contents of Volume 43	353

